

H8/B  
9/5/02  
N

S/N 09/494,751

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	SMITH	Examiner:	P. DO
Serial No.:	09/494,751	Group Art Unit:	1641
Filed:	January 31, 2000	Docket No.:	7500.393USWO
Title:	ASSAYS FOR TSH RECEPTOR AUTOANTIBODIES		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being transmitted via facsimile to: TC1600, Commissioner for Patents, Washington, D.C. 20231 on September 3, 2002.

By: Michele Quaranto

AMENDMENT AND RESPONSE

Commissioner for Patents  
Washington, D.C. 20231

VIA FACSIMILE  
TC1600  
703-872-9306

Dear Sir:

In response to the Office Action mailed March 1, 2002, please amend the above-referenced application for patent as follows:

In the claims:

Please cancel claims 1-62 and amend claims 77, 78, 82-84 and 88-90 to read as set forth below:

| 77. (Amended) A kit for use in screening a sample of body fluid for autoantibodies to (i) a thyroid stimulating hormone (TSH) receptor, or (ii) at least a TSH receptor fragment, which kit comprises:

(a) a source of (i) a TSH receptor or (ii) a TSH receptor fragment, said (i) TSH receptor or (ii) TSH receptor fragment each having at least first and second distinct epitope regions, wherein autoantibodies to said (i) TSH receptor or (ii) TSH receptor fragment bind to said first epitope region but not said second epitope region;

(b) at least one antibody, or fragment thereof, that binds to said second epitope region of said (i) TSH receptor or (ii) TSH receptor fragment;